GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:1573
ANSWERED ON:11.12.2003
POWER GENERATED THROUGH RENEWABLE ENERGY SOURCES
A. VENKATESH NAIK

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the loan provided by IREDA for implementation of projects under renewable energy sector to Karnataka during the last three years and current financial year so far;

(b) the power generated through renewable energy sources at present;

(c) the per unit generating cost of the power;

(d) whether the Government of Karnataka has requested for Union Government`s assistance for implementation of projects under renewable energy programme; and

(e) if so, the steps taken by the Government thereon?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a): IREDA has disbursed loansamounting to Rs.274.27 crores for various renewable energy projects in Karnataka during the last three years and the current financial year (upto 30.11.2003).

(b): An aggregate capacity of about 3944 MW has been installed in the country through renewable energy sources as on 31.3.2003 of which 422 MW has been installed in Karnataka.

(c): The cost of power generation from renewable energy depends on the nature of the source, technology employed and site characteristics etc. The State-wise tariffor power generation from various renewable energy technologies as on 30.11.2003 is given in Annexure.

(d)&(e): The Ministry has beenproviding financial support in the form of capital and interest subsidies to various renewable projects in Karnataka. In this regard, Rs.12.84 crores has been released to Karnataka during 2002-03 under various programmes.

Annexure

Annexure referred to in reply to part (c) of Lok Sabha Unstarred Question No.1573for 11-12-2003 regarding Power Generated through Renewable Energy Sources

State-wise tariff for power generation from various renewable energy technologies as on 30-11-2003.

S. No. State Programme Wheeling2% Banking12 months TP Sale Buy-Back Rs.2.25/kwh Annual Escalation5%

1. Andhra Pradesh Wind a a X a a1994-95
Cogen/ BM 2% for old 2% X a a1994-95
projects
28.4%+Re 0.5/
unit for new
projects
SHP a 2%, 8-12 M anot< HTT a a1997-98
WTE a 2%, 8-12 M anot< HTT a a1997-98

2. Bihar Wind/SHP/ WTE/BM To be decided by State Electricity Regulatory Commission

3. Chattisgarh Wind a a a a X
Biomass X X a a X
WTE a a a a X

4. Gujarat Wind 4% 6 months X Rs.2.60 5 paise 2002-03
Biomass 4% a a a 1994-95
WTE 4% a a a 1994-95

5. Haryana Wind a a a a 1994-95
Cogen/ a a a a 1994-95
BM
SHP a a a a 1994-95
WTE a a a a 1994-95

6. Himachal PradeshSHP a a with addl. charge X Rs.2.50 X

7. Karnataka Wind 6-12% a2%on monthly basis a Rs. 3.10 for 2% on base tariff
new projects
BM 6-12% a on monthly basis X Rs. 2.80 2% on base tariff
SHP 2-5% a a Rs.2.60 1994-95

8. Kerala Wind 5% June-Feb X Rs.2.80 2000-01 for five years
SHP a X X Rs.2.50 Not allowed
BM 5% 4 months X Rs.2.80 2000-01 for five years
WTE 5% June-Feb X Rs.2.80 2000-01 for five years

SHP: Small Hydro Power Wind: Wind Power Cogen: Bagasse Cogeneration
BM: Biomass power WTE: Waste to Energy

S. No. State Programme Wheeling2% Banking12 months TP Sale Buy-Back Rs.2.25/kwh Annual Escalation5%
9. Madhya Pradesh Wind a X a a X

Cogen/ a X a a X
BM
SHP a X a a X
WTE a X a a X
10. Maharashtra Wind a a a a 1994-95
Cogen 7% a a Rs.3.05 per kWh @ 2% from the year of commissioning
SHP a a a a 1999-2000
WTE 2 - 6% a a a 1994-95
11. Orissa SHP 2-3% a a At mutually agreed rate X
12. Punjab Cogen/ a a a Rs.3.01 @ 3% 2001-02
BM
SHP a a a Rs.2.73 1998-99
WTE a a a Rs.3.01 3% from 2000-01
13. Rajasthan SHP a10% a(Calendar year basis) a Rs.3.32 in 2003-4 2% from 2003-4Rs.3.92 fixed from 2013-14 for 10 years
Wind a10% a(Calendar year basis) a Rs.3.32 in 2003-4
Cogen/ a a a a 1994-95
BM
WTE a a a Rs.3.03 2000-01
14. Tamil Nadu Wind 5% 5% X Rs.2.70 No escalation
Cogen/ 2-10% a2% X Rs.2.73 2000-01
BM
SHP 5% X X Mutually agreed rate 1995-96
WTE X a X Rs.2.70 2000-01
15. Uttaranchal SHP a a a Mutually agreed rate
16. Uttar Pradesh Wind 12% a 0.5% a 1995-96
Cogen X a24 months X a 1999-2000
SHP a a a a 1995-96
WTE a a a a 1995-96
17. West Bengal Wind a a6M X X X
Cogen -- -- -- -- --
SHP a a6 M X X X

SHP: Small Hydro Power Wind: Wind Power Cogen: Bagasse Cogeneration
BM: Biomass power WTE: Waste to Energy